

**Amendments to the Claims**

Please amend the claims as indicated below.

1. (Currently amended) Discrimination system of cryptic graph-text including printed sheet and ~~the~~ a digital reader matched, characterized in that:

the surface of the said printed sheet is fixed with a complete cryptic graph-text document, which comprises several individual cryptic graph-text documents and presents itself as a digital dot group with very high density and each of said individual cryptic graph-text documents is digitized and decomposed;

said printed sheet is made of transparent, translucent or non-transparent material;

said printed sheet can also be fixed with the above mentioned complete cryptic graph-text documents presented as the high density dot groups on both side and said printed sheet is made of the transparent or translucent material;

the surface of the said digital reader is fixed with a complete omni directional lens array or with several arrays on separated parts of the surface; the surface of the vein is uneven or is smooth and many miniaturized lenses with specific focal lengths are distributed on it; and

all arrays are fixed with convex lenses or holes or both of them; the lenses are arranged in accordance with the pattern of the high density dot groups that are formed by one of the individual cryptic graph-text pattern digitized and decomposed, whereby the relationship of the individual cryptic graph-text documents and the complete cryptic graph-text documents can be expressed:

the enciphering system is  $M = f(a) \times f(b) \times \dots \times f(n)$ ,

where  $M(a,b,KK\ n) = f(a,b,KK\ n) \times N(a,b,KK\ n) = Ma + Mb + KK + Mn = fa(Na) + fb(Nb) + KK + fn(Nn)$ , wherein  $Mn$  is the individual cryptic graph-text documents of the

decomposed digit reader,  $M_n$  is the  $N$ th individual cryptic graph-text documents of the complete cryptic graph-text documents, and  $f_a(N_a) + F_b(N_b) + KK + F_n(N_n) = f(a,b, KK, n) \times N(a,b, KK, n)$ , and wherein, the complete cryptic graph text document is the sum of the individual cryptic graph-text documents.

2. (Original) The discrimination system of cryptic graph-text according to Claim 1, characterized in that: the lenses of omni- directional lens arrays are arranged in grid pattern or in step-shaped or in wavelike pattern or with special combination.

3. (Original) The discrimination system of cryptic graph-text according to Claim 1, characterized in that: the digital reader is also fixed with some cryptic patterns on the surface near the edges.

4. (Original) The discrimination system of cryptic graph-text according to Claim 1, characterized in that: said digital reader is made of transparent or translucent material.

5. (Original) The discrimination system of cryptic graph-text according to Claim 4, characterized in that: said transparent or translucent material of said digital reader is plastic or colloid.

6. (Original) The discrimination system of cryptic graph-text according to Claim 1, characterized in that: said digital reader is of rigid card or flexible card.

7. (Original) The discrimination system of cryptic graph-text according to Claim 1, characterized in that: said printed sheet can be fixed to the licenses, certificates, sealing strips, credit cards, different magnetic cards, intelligent cards, computer software, hard discs, LD, stamps, money notes, bills, receipts, birth certificates, contracts, permits, documents for clearing customs, packages of products, or on the surfaces of porcelain, metal, died plastic articles, wooden articles and dress material.

8. (Original) A manufacturing method of the discrimination system of the cryptic graph-text, comprising the following procedures:

a. enciphering/digitizing the visible and cryptic graph-text documents step by step by the use of randomly generated enciphering system resulting in the digital graph-text documents; enciphering parameters of the multivariate function are assigned in each step and are deleted before the next step is commenced;

b. decomposing the graph-text documents by operational decomposing digitizing system and creating several cryptic patterns and complete cryptic document of the corresponding digital reader functions and cryptic document function, respectively; and

c. fixing the cryptic patterns and the complete cryptic document onto the surfaces of the digital readers and the printed sheet, respectively, and forming the high density dot groups by the use of the high precision optical output instruments.

9. (Original) The manufacturing method of the discrimination system of the cryptic graph-text according to Claim 8, characterized in that said procedure of fixing the said cryptic patterns onto the surfaces of said digital readers and the printed sheet is by printing, silk-screen printing, electronic printer, gilding press, heat pressing, biting in, photo etching, hologram, stamping, thermoplastic technique or transcription.

10. (Original) The manufacturing method of the discrimination system of the cryptic graph-text according to Claim 8, characterized in that the technique of fixing said complete cryptic document onto the surface(s) of said digital readers and the printed sheet is by printing, double side pressing or rolling.